

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	124	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN))) and ((silicide or salicide) near titanium) and (temperature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:18
L2	82	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN))) and ((silicide or salicide) near titanium) and ((temperature) with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:28
L3	54	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN))) and ((silicide or salicide) near titanium) and ((low with temperature) with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:30
L4	52	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (plasma with (nitrid\$2 or nitridiz\$7)) and ((silicide or salicide) near titanium) and ((low with temperature) with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:34
L5	6	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (plasma with (nitridiz\$7)) and ((silicide or salicide) near titanium) and ((low with temperature) with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:37
L6	8	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (plasma with (nitridiz\$7)) and ((low with temperature) with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:38
L7	5	((titanium) with (plasma with (nitridiz\$7))) and ((low with temperature) with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:39

## EAST Search History

S1	0	("US-6673716-\$ DID. ORUS-6436814-\$ DID. ORUS-6420786-\$ DID. ORUS-6383920-\$ DID. ORUS-6222273-\$ DID. ORUS-5882999-\$ DID. ORUS-5494860-\$ DID. ORUS-4746219-\$ DID.").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/16 14:34
S2	8	US-6673716-\$ DID. OR US-6436814-\$ DID. OR US-6420786-\$ DID. OR US-6383920-\$ DID. OR US-6222273-\$ DID. OR US-5882999-\$ DID. OR US-5494860-\$ DID. OR US-4746219-\$ DID.	US-PGPUB; USPAT	OR	ON	2005/11/16 14:32
S3	2	(("20030235984") or ("20020046874")).PN.	US-PGPUB; USPAT	OR	OFF	2005/11/16 14:34
S4	8	("6028003"   "6080285"   "6176931"   "6238532"   "6251242"   "6342133").PN. OR ("6673716"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 08:38
S5	8	("6028003"   "6080285"   "6176931"   "6238532"   "6251242"   "6342133").PN. OR ("6673716"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 09:53
S6	5668	Titanium adj4 nitrid\$7 and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 12:35
S7	3501	Titanium adj4 nitrid\$7 and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten	USPAT	OR	ON	2005/11/18 09:56
S8	1876	Titanium adj4 nitrid\$7 and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten and interconn\$	USPAT	OR	ON	2005/11/18 09:56
S9	20	("20020041028"   "20020060363"   "20020084181"   "20030162391"   "5654233"   "5933753"   "5985759"   "6080285"   "6176983"   "6217721"   "6303490"   "6316360"   "6342448"   "6387800"   "6440831"   "6495921"   "6508919"   "6624062"   "6673716"   "6720253").PN. OR ("6841468"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 10:00
S10	8	("6028003"   "6080285"   "6176931"   "6238532"   "6251242"   "6342133").PN. OR ("6673716"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 10:05

## EAST Search History

S11	19	("4810347"   "4855033"   "5240880"   "5242860"   "5334302"   "5401675"   "5427666"   "5482611"   "5643422"   "5738917"   "5744016"   "5858183"   "6071390"   "6179973"   "6180522").PN. OR ("6342133").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 10:06
S12	62	("4384301"   "4545116"   "4570328").PN. OR ("4746219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 10:21
S13	2746	(Titanium adj4 nitrid\$7 and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten and interconn\$)	US-PGPUB; USPAT	OR	ON	2005/11/18 11:59
S14	620	(438/775 or 438/776 or 438/721 or 438/682 or 438/683 or 438/655 or 438/656 or 438/618 or 438/622 or 438/630 or 438/648 or 438/649 or 438/627 or 438/643 or 438/653 or 438/628 or 438/629).ccls. and (Titanium adj4 nitrid\$7 and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten and interconn\$)	US-PGPUB; USPAT	OR	ON	2005/11/18 12:13
S15	83	(438/775 or 438/776 or 438/721 or 438/682 or 438/683 or 438/655 or 438/656 or 438/618 or 438/622 or 438/630 or 438/648 or 438/649 or 438/627 or 438/643 or 438/653 or 438/628 or 438/629).ccls. and (Titanium adj4 nitrid\$7 and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten and interconn\$) and salicide	US-PGPUB; USPAT	OR	ON	2005/11/18 12:25
S16	4757	(438/775 or 438/776 or 438/721 or 438/682 or 438/683 or 438/655 or 438/656 or 438/618 or 438/622 or 438/630 or 438/648 or 438/649 or 438/627 or 438/643 or 438/653 or 438/628 or 438/629).ccls. and (Titanium)	US-PGPUB; USPAT	OR	ON	2005/11/18 12:25
S17	2947	(438/775 or 438/776 or 438/721 or 438/682 or 438/683 or 438/655 or 438/656 or 438/618 or 438/622 or 438/630 or 438/648 or 438/649 or 438/627 or 438/643 or 438/653 or 438/628 or 438/629).ccls. and (Titanium) and (plasma)	US-PGPUB; USPAT	OR	ON	2005/11/18 12:25

## EAST Search History

S18	95	(438/775 or 438/776 or 438/721 or 438/682 or 438/683 or 438/655 or 438/656 or 438/618 or 438/622 or 438/630 or 438/648 or 438/649 or 438/627 or 438/643 or 438/653 or 438/628 or 438/629).ccls. and (Titanium) and (plasma adj nitrid\$7)	US-PGPUB; USPAT	OR	ON	2005/11/18 12:27
S19	603	(Titanium) and (plasma adj1 nitrid\$7)	US-PGPUB; USPAT	OR	ON	2005/11/18 12:28
S20	316	(Titanium) and (plasma adj1 nitrid\$7) and (silicide or salicide)	US-PGPUB; USPAT	OR	ON	2005/11/18 12:28
S21	149	(Titanium) and (plasma adj1 nitrid\$7) and (silicide or salicide) and (intercon\$7)	US-PGPUB; USPAT	OR	ON	2005/11/22 16:16
S22	37	("4746219"   "4863559"   "4994402"   "5032233"   "5043300"   "5084406"   "5094977"   "5147819"   "5187122"   "5196360"   "5236865"   "5278098"   "5296404"   "5326404"   "5341016"   "5378641"   "5391520"   "5480814"   "5481129"   "5589417"   "5593511"   "5627102"   "5654235"   "5683930"   "5756394"   "5766997"   "5776831"   "5783478"   "5925225"   "5985759"   "6074921"   "6080665"   "6100185"   "6117761"   "6156647"   "6313650"   "6444586").PN. OR ("6951786").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/18 12:58
S23	1	("6661057").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/18 15:03
S24	0	"dawson.rob".\$in.	US-PGPUB; USPAT	OR	ON	2005/11/21 14:24
S25	246	dawson-rob\$.in.	US-PGPUB; USPAT	OR	ON	2005/11/21 14:24
S26	151	dawson-rob\$.in. and source	US-PGPUB; USPAT	OR	ON	2005/11/21 14:25
S27	88	dawson-rob\$.in. and plasma	US-PGPUB; USPAT	OR	ON	2005/11/21 15:32
S28	1	("5906866").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/21 16:11
S29	1	("6093645").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/21 16:12
S30	19	("4962414"   "5162262"   "5370739"   "5565708"   "5567243"   "5591671"   "5610106"   "5776830"   "5783282"   "5906866").PN. OR ("6093645").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 16:12

## EAST Search History

S31	16	("5175126"   "5279857"   "5308655"   "5610106"   "5665640"   "5716870"   "5866213"   "5972179"   "5975912"   "5989652"   "6060389"   "6093639"   "6093645"   "6096645"   "6215186").PN. OR ("6436819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/21 16:38
S32	1	(Titanium) and (plasma adj1 nitrid\$7) and (silicide or salicide) and (intercon\$7)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 16:17
S33	7	(Titanium) and (plasma adj1 nitrid\$7) and (silicide or salicide)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/22 16:17
S34	12	("4868617"   "4951100"   "5091763"   "5274261"   "5510648"   "5543643"   "5793089"   "5808347"   "5831319").PN. OR ("6661057").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:25
S35	19	("4962414"   "5162262"   "5370739"   "5565708"   "5567243"   "5591671"   "5610106"   "5776830"   "5783282"   "5906866").PN. OR ("6093645").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:29
S36	14	("4898841"   "5486492"   "5625231"   "5654233"   "5654589"   "5741626"   "5904565"   "5972179"   "6001415"   "6010940"   "6040243"   "6093645"   "6110826").PN. OR ("6734097").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:36
S37	101	Ameen.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:36
S38	0	Ameen.in. and titanium	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:36
S39	46	Ameen.in. and (ti or tin)	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:37
S40	12	Ameen-mi\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:54
S41	7	("3656995"   "4749589"   "5296404"   "5416045"   "5593511"   "5926737"   "6225213").PN. OR ("6274496").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:44
S42	1	"6635569".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/22 16:54

## EAST Search History

S43	1	("5975912").PN.	US-PGPUB; USPAT	OR	OFF	2005/11/23 10:10
S44	142	("3656995"   "4138306"   "4151325"   "4178877"   "4282267"   "4352834"   "4365587"   "4366208"   "4410758"   "4504518"   "4532199"   "4535000"   "4557943"   "4657774"   "4678679"   "4689093"   "4702934"   "4716048"   "4717584"   "4717585"   "4717586"   "4718976"   "4726963"   "4728528"   "4749589"   "4759947"   "4772486"   "4774195"   "4778692"   "4784874"   "4792378"   "4798165"   "4801468"   "4803093"   "4818560"   "4818563"   "4835005"   "4844950"   "4851302"   "4853251"   "4869923"   "4869924"   "4870030"   "4876983"   "4885067"   "4886683"   "4888062"   "4888088"   "4897709"   "4898118"   "4900694"   "4908329"   "4908330"   "4913929"   "4914052"   "4926229"   "4927786"   "4937094"   "4946514"   "4951602"   "4954397"   "4957772"   "4959106"   "4971832"   "4977106"   "4987856"   "4992305"   "4992839"   "4998503"   "5000113"   "5002617"   "5002618"   "5002793"   "5002796"   "5006180"   "5007971"   "5008726"   "5010842"   "5018479"   "5024706"   "5028488"   "5030475"   "5037666"   "5039354"   "5052339"   "5061511"   "5073232"   "5085885"   "5087542"   "5093149"   "5093150"   "5099790"   "5100495"   "5122431"   "5126169"   "5130170"   "5139825"   "5154135"   "5173327"   "5175017"   "5178904"   "5178905"   "5180435"   "5192370"   "5213997"   "5220181"   "5246881"   "5260236"   "5268034"   "5273588"   "5279857"   "5296404"   "5308655"   "5318654"   "5342471"   "5342652"   "5356476"   "5370739"   "5378501"   "5396404"   "5416045"   "5433787"   "5434110"   "5443647"   "5453124").PN. OR ("5975912").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/23 10:20

## EAST Search History

S45	698853	MOL	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/25 11:42
S46	10	"MOL liner"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/25 11:42
S47	2	("20050221612").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 16:10
S48	33	(US-20010019885-\$ or US-20010018257-\$).did. or (US-6661057-\$ or US-6649518-\$ or US-6573181-\$ or US-6573571-\$ or US-6537621-\$ or US-6399484-\$ or US-6326668-\$ or US-6316353-\$ or US-6274496-\$ or US-6259142-\$ or US-6245674-\$ or US-6211078-\$ or US-6160296-\$ or US-6140230-\$ or US-6093645-\$ or US-6074960-\$ or US-6069398-\$ or US-5766997-\$ or US-6180522-\$ or US-6080665-\$ or US-6040021-\$ or US-6184135-\$ or US-5776831-\$ or US-5654235-\$ or US-6358849-\$ or US-5593511-\$). did. or (US-5565708-\$ or US-6635569-\$ or US-6207557-\$ or US-6291342-\$ or US-6780764-\$). did.	US-PGPUB; USPAT	OR	ON	2006/03/30 12:33
S49	2	S48 and (thermal near decompo\$8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 12:33
S50	12	((Titanium adj4 nitrid\$7) with (thermal near decompo\$8)) and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 12:35
S51	12	((Titanium adj4 nitrid\$7) with (thermal near decompo\$8)) and (plasma or (plasma near5 nitrid\$7)) and silicide and tungsten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:09

## EAST Search History

S52	20	(("6573571") or ("6274496") or ("6316353") or ("6661057") or ("6780764") or ("6180522") or ("6080665") or ("5654235") or ("6259142") or ("6093645")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 14:09
S53	3	((Titanium adj4 nitrid\$7) with (thermal near decompo\$8)) and (plasma with nitrid\$7) and silicide and tungsten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:12
S54	0	((Titanium adj4 nitrid\$7) with (thermal near decompo\$8)) and (plasma with nitridiz\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:11
S55	0	((Titanium adj4 nitrid\$7) with (thermal near decompo\$8)) and (plasma same nitridiz\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:11
S56	1	((Titanium with nitrid\$7) same (thermal near decompo\$8)) and (plasma same nitridiz\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:12
S57	434	((Titanium with nitrid\$7) with ((thermal near decompo\$8) or (CVD))) and (plasma with nitrid\$7) and silicide and tungsten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:13
S58	7	((Titanium with nitrid\$7) with ((thermal near decompo\$8) or (CVD))) and (plasma with nitridiz\$7) and silicide and tungsten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:15
S59	5	((Titanium with nitrid\$7) with ((thermal near decompo\$8) or (CVD))) and ((plasma with nitridiz\$7) same titanium) and silicide and tungsten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:15

## EAST Search History

S60	13	((Titanium with nitrid\$7) with ((thermal near decompo\$8) or (CVD))) and ((plasma with nitridiz\$7) same titanium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 14:33
S61	2	("6040021").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/30 14:33
S62	15	("4294678"   "4777061"   "5271817"   "5358615"   "5529670"   "5595784"   "5716870"   "5747384").PN. OR ("6040021").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 14:33
S63	21	("4570328"   "4605947"   "4847157"   "4946712"   "5271963"   "5279857"   "5308655"   "5416045"   "5593511"   "5610106"   "5972179"   "5975912"   "5990021"   "6010940"   "6040021"   "6060389"   "6171717"   "6207557"   "6225213").PN. OR ("6436820").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/30 15:53
S64	90	(plasma near (nitridization or nitridize))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:06
S65	542652	titanium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:06
S66	3374	titanium and ((ammonia or "NH.sub.3") with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:07
S67	514	titanium same ((ammonia or "NH.sub.3") with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:07

## EAST Search History

S68	287	titanium with ((ammonia or "NH. sub.3") with plasma)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:07
S69	172	(titanium with ((ammonia or "NH. sub.3") with plasma)) and (CVD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:08
S70	160	(titanium with ((ammonia or "NH. sub.3") with plasma)) and (CVD and ((titanium near nitride) or (TiN)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:08
S71	119	(titanium with ((ammonia or "NH. sub.3") with plasma)) and (CVD same ((titanium near nitride) or (TiN)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:18
S72	378	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:19
S73	209	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN))) and silicide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:20
S74	209	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN))) and (silicide or salicide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 16:20
S75	129	(titanium with ((ammonia or "NH. sub.3" or nitrogen or "N.sub.2") with plasma)) and (CVD same ((titanium near nitride) or (TiN))) and ((silicide or salicide) near titanium)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:17

## EAST Search History

S76	2	("6080655").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 16:11
S77	2	("6080665").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/31 16:11